



Attorney's Docket No. 3477-116

PATENT

#26G
ARWENS
12/31/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pugh et al. Confirmation No.: 6664
Appl. No.: 09/029,872 Group Art Unit: 3738
Filed: June 29, 1998 Examiner: P. Prebilio
For: ARTIFICIAL STABILIZED COMPOSITION OF
CALCIUM PHOSPHATE PHASES PARTICULARLY
ADAPTED FOR SUPPORTING BONE CELL ACTIVITY

December 18, 2002

Commissioner for Patents
Washington, DC 20231

RECEIVED
DEC 26 2002
TECHNOLOGY CENTER R3700

AMENDMENT

Sir:

Responsive to the Official Action mailed June 18, 2002, please amend the above-referenced application as follows:

In the Claims:

Please amend Claim 1 as follows:

1. (Four times amended) A bioactive artificial sintered composition for supporting bone cell activity, said composition comprising:

a powder or bulk material of stabilized insoluble tricalcium phosphate wherein the tricalcium phosphate is stabilized with stabilizing entities uniformly throughout the entire composition, and wherein said uniformly stabilized tricalcium phosphate is resorbable by osteoclasts and promotes secretion of mineralized bone matrix by osteoblasts,

wherein said stabilizing entities are selected from the group consisting of silicon entities, aluminum entities, barium entities, titanium entities, germanium entities, chromium entities, vanadium entities, niobium entities, boron entities and mixtures thereof.

Please cancel Claims 3 and 5.